

ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY CODES AND STATE BOARD OF HEALTH "SEWAGE HANDLING AND DISPOSAL REGULATIONS" PERTAINING TO ON SITE SEWAGE SYSTEMS AND THE PERMIT FOR THIS SITE.

THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.

ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS. ALL GLUED JOINTS SHALL BE CLEANED AND PRIMED WITH PURPLE (DVED) PVC PRIMER PRIOR TO BEING GLUED.

ALL CUTTING OF PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING SHALL BE ACCOMPLISHED WITH PIPE CUTTERS APPROVED BY MANUFACTURER. NO SAWING OF PVC, FLEXIBLE PVC OR DRIPPER TUBING ALLOWED. ALL CUT ENDS OF PVC PIPE SHALL BE CUT SQUARE AND THE ENDS COVERED WITH DUCT TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PIPE. PRIOR TO GLUING ALL JOINTS SHALL BE INSPECTED FOR AND CLEARED OF ANY CONSTRUCTION DEBRIS.

NO WEATHER INSTALLATION IS PERMITTED.

NO ACTIVITY ON DRAINFIELD AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAINFIELD SITE.

HORIZONTAL DRAINAGE AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.

THE BUILDING SEWER SHALL BE 4" SCH40 PVC WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEANOUTS SHOULD BE PROVIDED EVERY 25 FEET.

FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".

IF TREES ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.

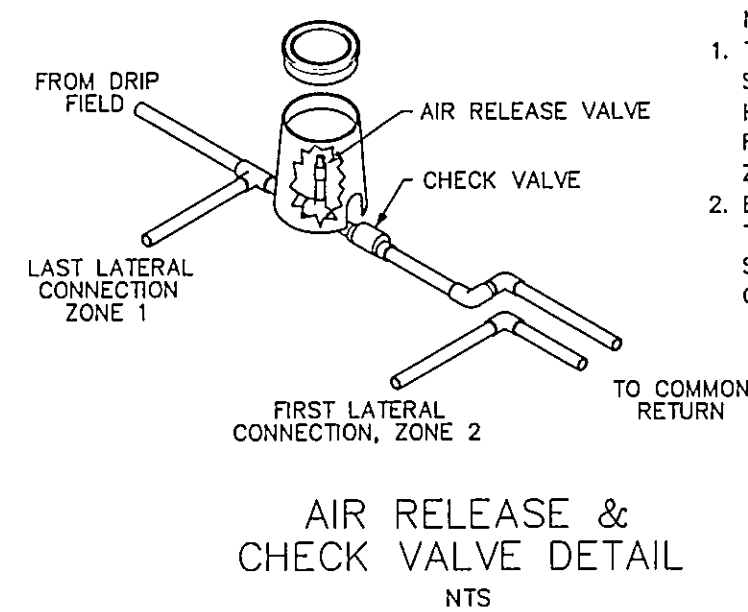
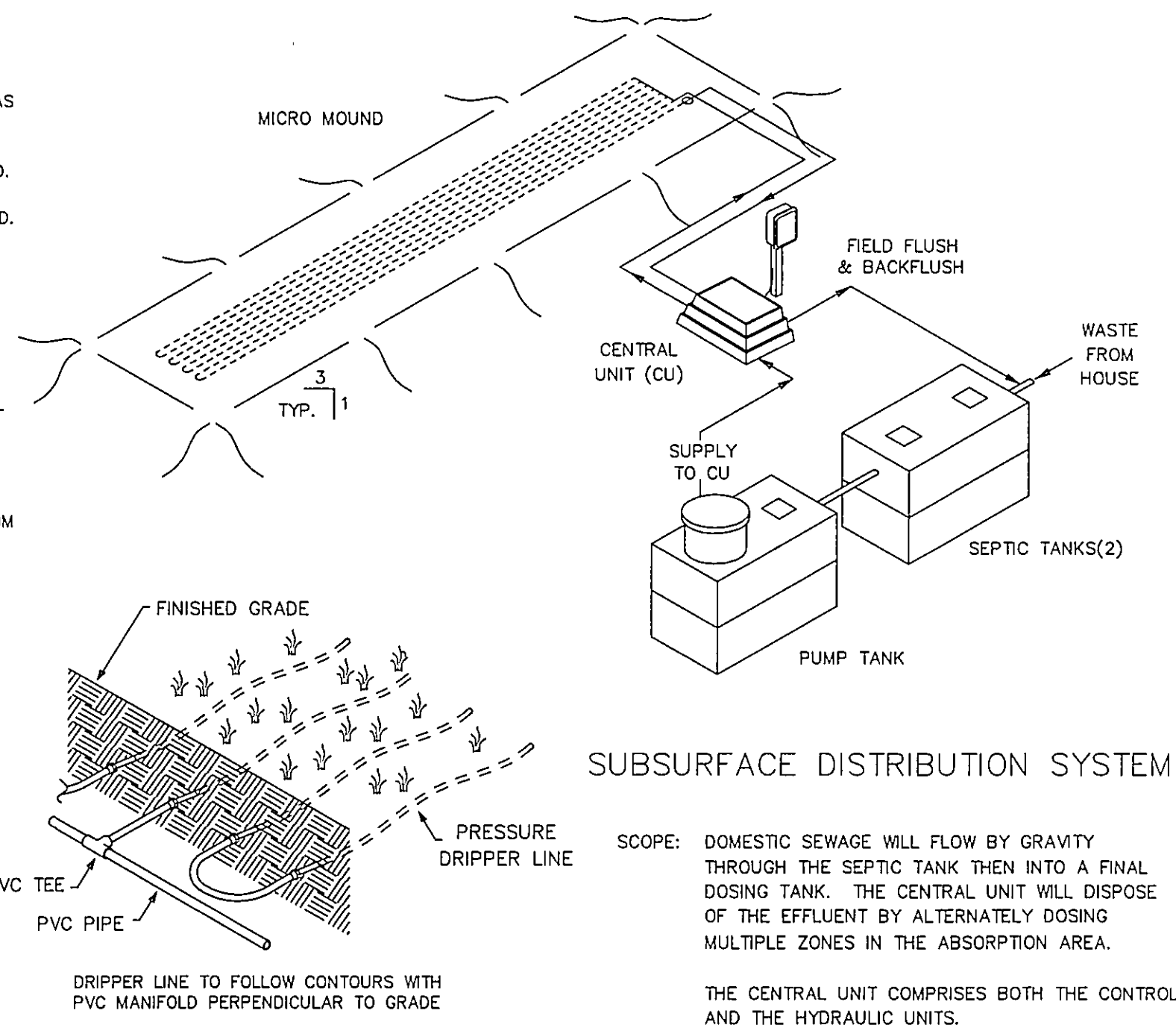
GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRAINED VIA 2" PVC PIPE, SCREENED AT INLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE (TO ENSURE DRAINAGE OF SURFACE WATER FROM UNIT).

THE CONTRACTOR SHALL BE CERTIFIED TO INSTALL THIS TYPE OF SYSTEM BY THE MANUFACTURER AND SHALL HOLD A PRE CONSTRUCTION MEETING WITH THE INDIVIDUALS RESPONSIBLE FOR SOIL EVALUATION, PERMITTING AND INSPECTIONS PRIOR TO SITE WORK BEGINNING TO INSURE PROTECTION OF THE SITE CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO DESIGN.

NO HORIZONTAL DRAINAGE SHALL BE INSTALLED. THE INSTALLATION OF THE SYSTEM TO BE NOTIFIED FROM THESE PLANS. ALL SITE WORK SHALL STOP IMMEDIATELY AND THE DESIGNER SHALL BE DETACHED.

ANY ONGOING WORK SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

DRAINFIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.



NOTE:

1. THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
2. EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.

SHT 1	COVER SHEET
SHT 2	SITE PLAN
SHT 3	TREATMENT SCHEMATIC (MOUND DETAIL)
SHT 4	HYDRAULIC PROFILE & DRIP DETAIL
SHT 5	PUMP & CONTROL DETAIL
SHT 6	CALCULATION SHEET
SHT 7	PUMP CURVE

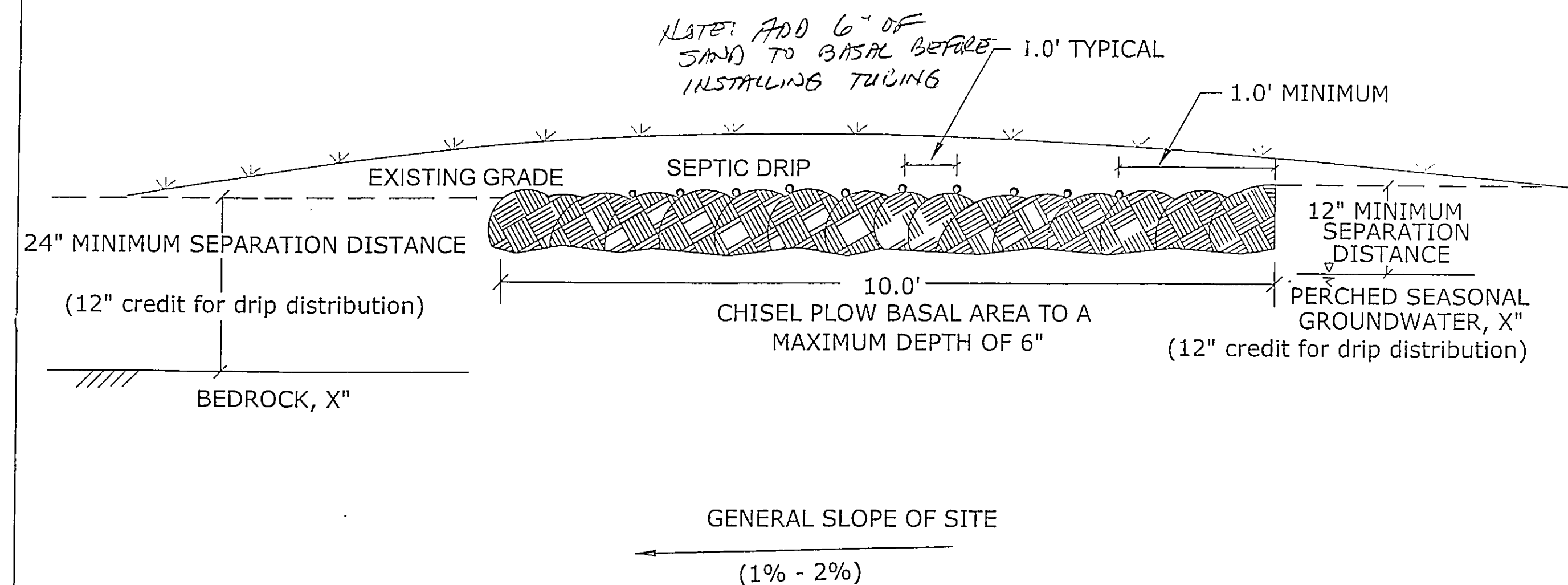
AMERICAN MANUFACTURING CO.  
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

PROJECT NAME:	DR. BY:	DATE:
	CK. BY:	DATE:
	APP. BY:	DATE:
	TITLE:	
COUNTY:	COVER SHEET	

COUNTY:	COVER SHEET
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FILE:	SCALE:	SHEET	OF
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8" TO 12" MINIMUM TOPSOIL COVER  
 SEEDED AND STRAWED TO COUNTY SPECIFICATIONS (as required)  
 TUBING TO BE PLACE 2.0' O.C.



TITLE	AT-GRADE DRIP CROSS SECTION ZONE 2
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DR. BY: RKM
CK BY: EJK
DATE: Aug 200
SCALE: None

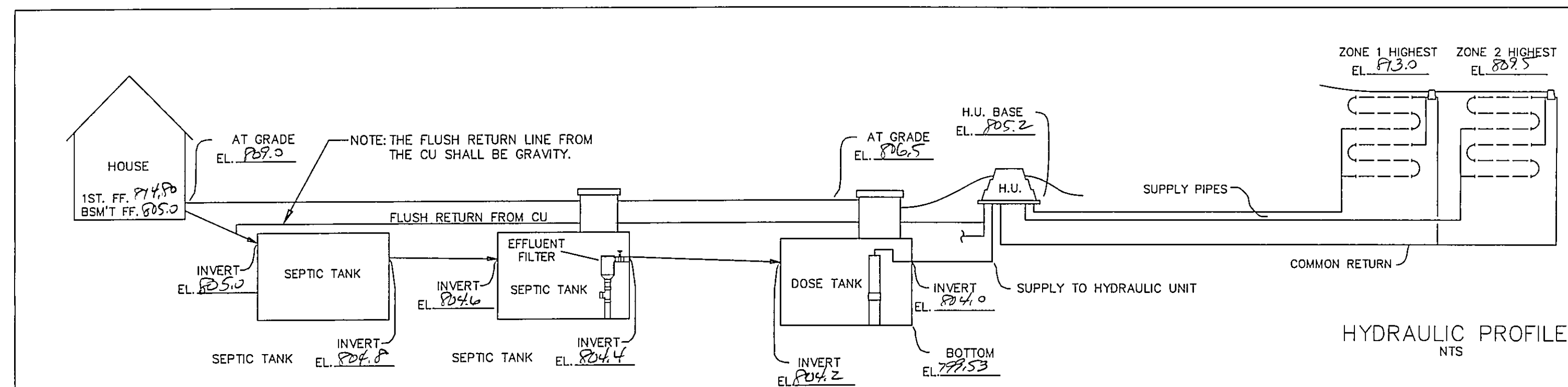
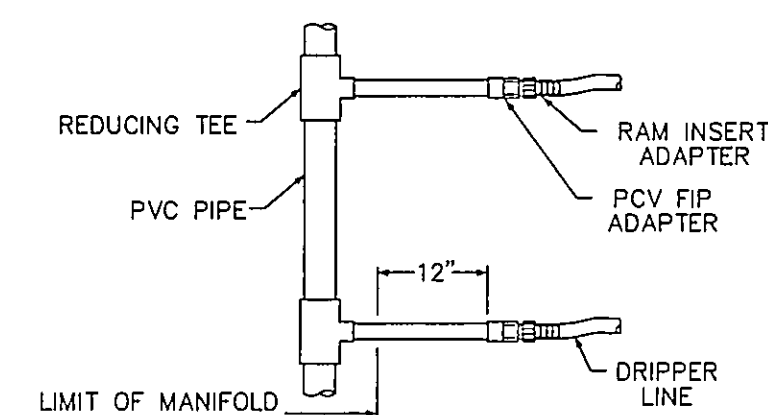
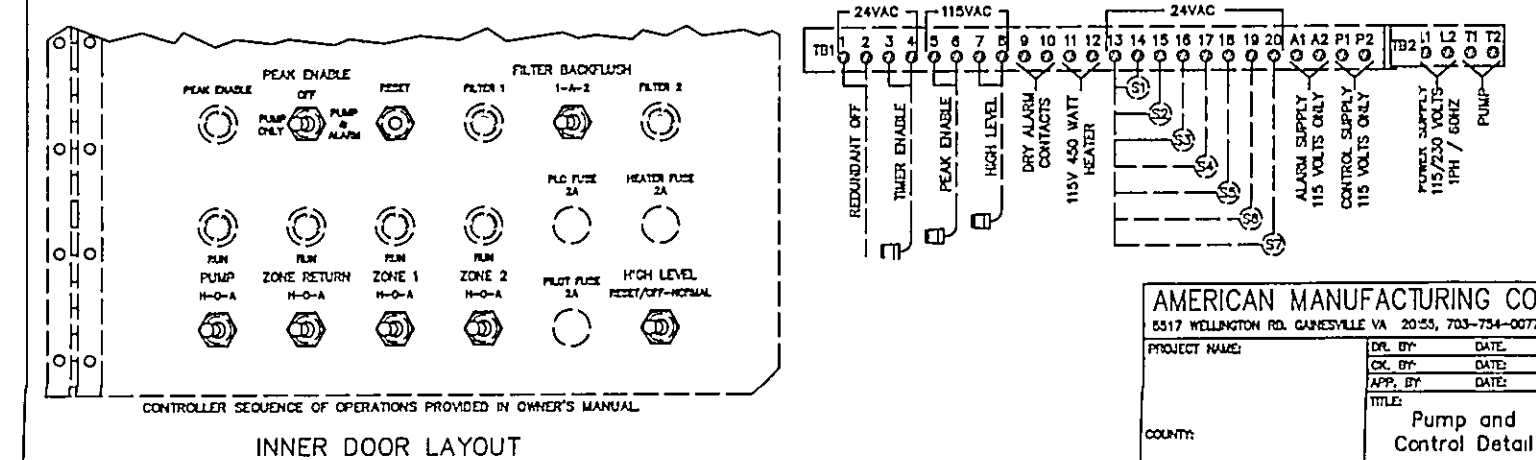
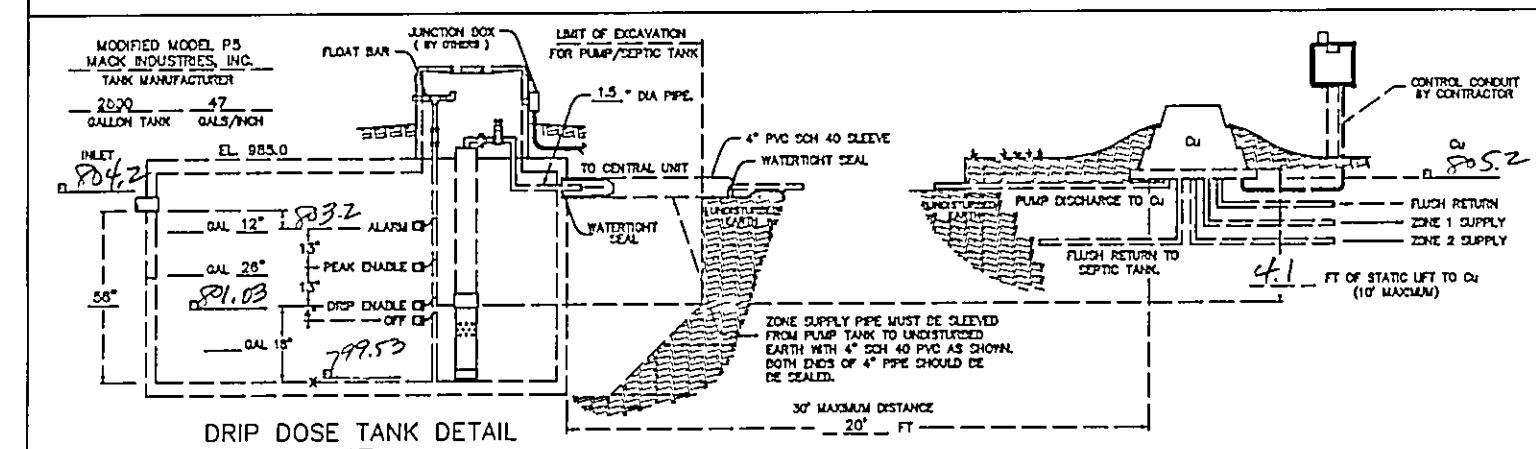
Engineered  
By



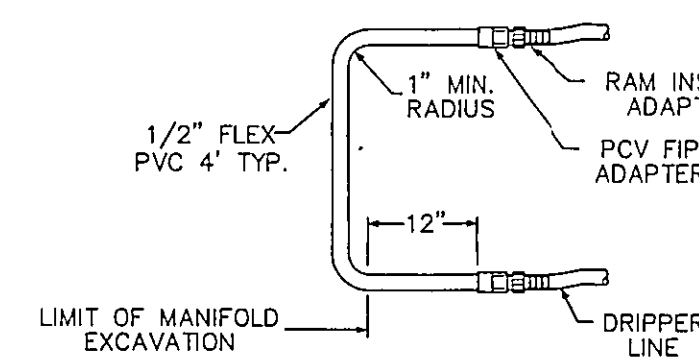
**StreamKey**

Engineered Plumbing & Wastewater Solutions  
10515 Reading Road  
Cincinnati, OH 45241  
513-792-1221

SHEET NO. 8 of 10	FILE: S07-0319-W
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HYDRAULIC PROFILE  
NTS

TYPICAL MANIFOLD CONNECTION  
NTS

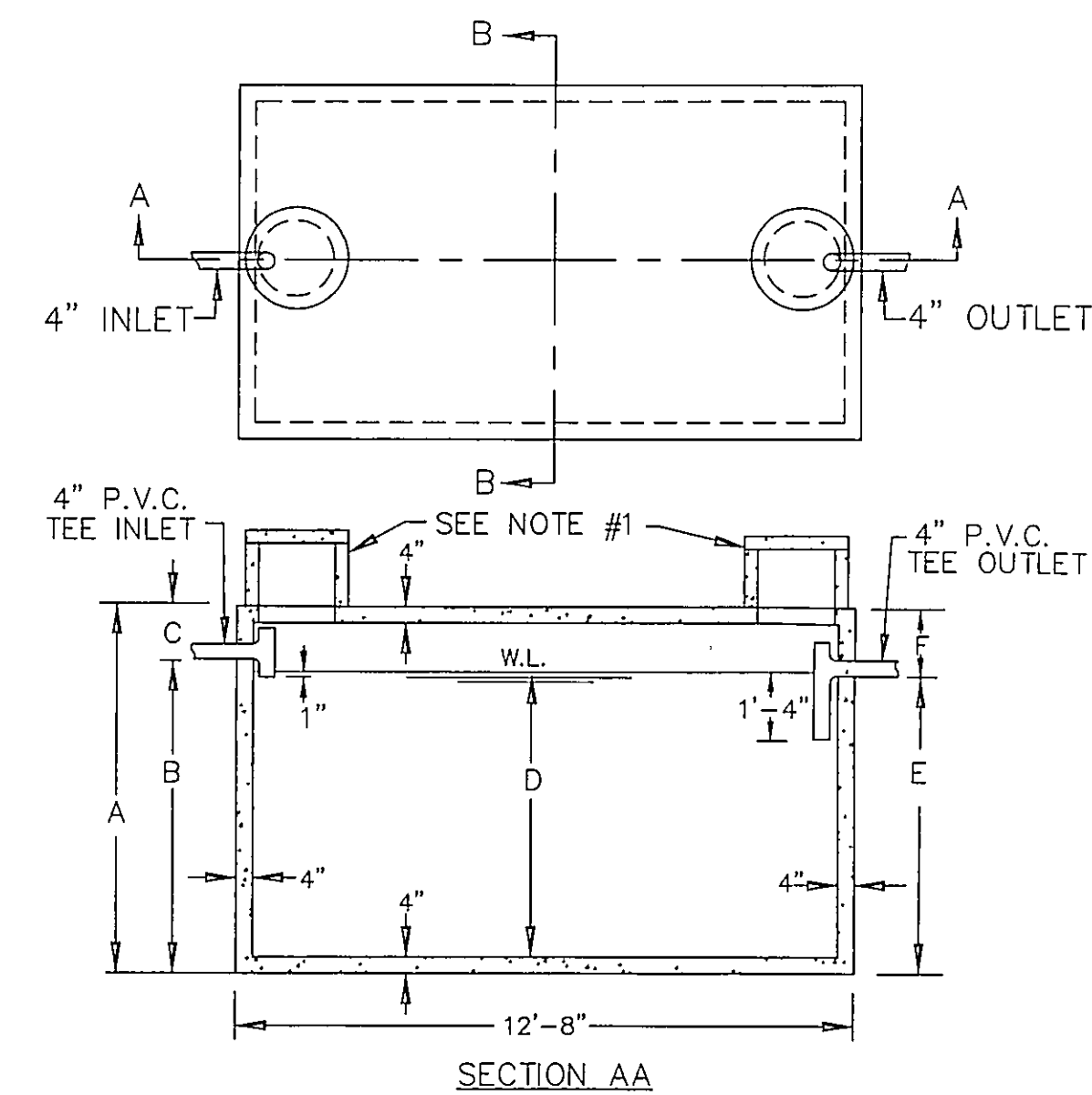


TYPICAL DRIP LOOP CONNECTION  
NTS

AMERICAN MANUFACTURING CO.  
5517 WELLINGTON RD. GAINESVILLE VA 20155: 703-754-0077

PROJECT NAME:	DR. BY:	DATE:
	CK. BY:	DATE:
	APP. BY:	DATE:
	TITLE:	
COUNTY:	Hydraulic Profile	

& Drip Detail



## NOTES

- A) 18" DIA. CONC. PLUG WITH HANDLE IS STANDARD EQUIPMENT.
- B) 18" DIA. CONC. RISER, 15" OR 24" HIGH WITH CONC. LID IS OPTIONAL AT AN EXTRA CHARGE.

THE CONCRETE RISER ON THE  
OUTLET END WILL HAVE A  
MINIMUM 24" INSIDE DIAMETER.

CAPACITY GAL.	A	B	C	D	E	F
2000	5'-6"	4'-2"	1'-4"	3'-7"	3'-11"	1'-7"
2250	5'-6"	4'-7"	0'-11"	4'-0"	4'-4"	1'-2"
2500	6'-4"	5'-0"	1'-4"	4'-5"	4'-9"	1'-7"
3000	7'-4"	5'-11"	1'-5"	5'-4"	5'-8"	1'-8"
3500	8'-4"	6'-9"	1'-7"	6'-2"	6'-6"	1'-10"
4000	9'-4"	7'-8"	1'-8"	7'-1"	7'-5"	1'-11"
5000	10'-4"	9'-5"	0'-11"	8'-10"	9'-2"	1'-2"

2,000-5,000 GALLON SEPTIC TANKS

SCALE: NONE	APPROVED BY	DRAWN BY T.A.S
DATE: 9/23/74		REVISED

MACK INDUSTRIES, INC.

VALLEY CITY OHIO 44280

DRAWING NUMBER  
P-5



REV NO.	DESCRIPTION	DATE	BY	CHK'D
1	REVISED PER LC's HEAVY DENT	5/12/09	HT	HT
2	" " " " "	5/13/09	HT	HT



BABCOCK, JONES AND ASSOCIATES, INC  
CIVIL ENGINEERS – SURVEYORS – LAND PLANNERS  
PAINESVILLE OHIO 44077

DATE	5/6/09
DESIGN BY	H.J.
DRAWN BY	B.P.
APPROVED BY	H.J.
CREW CHIEF	B.P.

SITE PLAN  
FOR  
KERN BUILDING INC.

S/L 10 BARRISTER'S COURT (BARRISTER'S COURT SUBDIVISION)  
CITY OF KIRTLAND                      LAKE COUNTY                      STATE OF OHIO

SCALE		1"=20'
JOB NO		04-149-10
SHEET		OF
2		2